

1 Attorney Docket No. 82867

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### INLET FREE TORPEDO LAUNCH SYSTEM

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### ABSTRACT OF THE DISCLOSURE

6 A launcher for torpedoes and underwater vehicles includes  
7 an inlet recess in fluid communication with a shutterway  
8 recess. A primary shutterway is provided both for ejection of  
9 the vehicle and for supplying fluid intake to the launcher. A  
10 pump circulates fluid from the inlet recess to the shutterway  
11 recess, and a launch tube houses a vehicle such as a weapon,  
12 within the launcher prior to launch thereof. A slide valve  
13 and impulse tank combination are positioned intermediate the  
14 pump and the launch tube, such that the slide valve controls a  
15 flow of fluid to the launch tube. A guide can is positioned  
16 at the shutterway recess for guiding the vehicle from the  
17 launch tube to an exterior of the launcher and fluid within  
18 the launcher is continually moderated to enable selective  
19 launch of the vehicle with a fluid force.